

INCH POUND

MIL-PRF-22885/88C
 1 March 2001
 SUPERSEDING
 MIL-PRF-22885/88B
 28 June 1995

PERFORMANCE SPECIFICATION SHEET

SWITCH, PUSH BUTTON, ILLUMINATED,
 HIGH IMPACT SHOCK, MODULAR SWITCH ASSEMBLIES FOR

This specification sheet is approved for use by all Departments
 and Agencies of the Department of Defense.

The requirements for acquiring the indicator lights described herein shall
 consist of this specification sheet and MIL-PRF-22885.

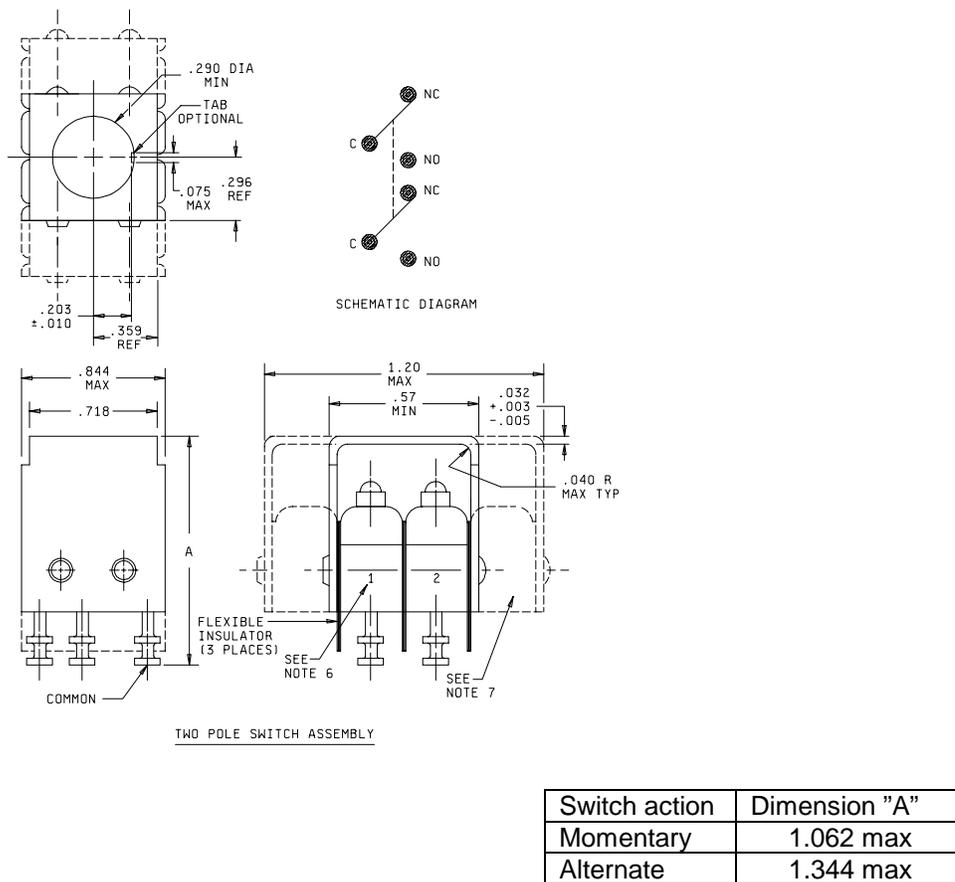
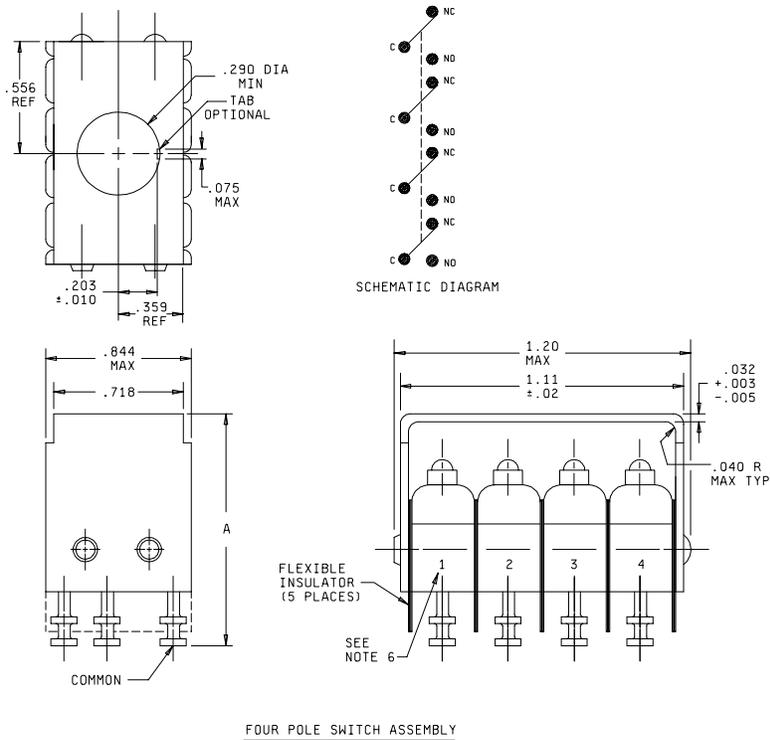


FIGURE 1. Dimensions and configurations.

MIL-PRF-22885/88C



FOUR POLE SWITCH ASSEMBLY

Inches	mm	Inches	mm	Inches	mm
.003	.01	.075	1.91	.570	14.48
.005	.13	.203	5.16	.718	18.24
.010	.25	.290	7.37	.844	21.44
.020	.51	.296	7.52	1.062	26.97
.032	.81	.359	9.12	1.11	28.19
.040	1.02	.556	14.12	1.20	30.48
				1.344	34.14

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.016 (.41 mm).
3. Metric equivalents are given for general information only.
4. The design configuration is optional within envelope dimensions shown.
5. Flat or cylindrical type terminal design is optional.
6. Basic switch number shall be permanently marked as shown. Additional marking of switch number on opposite side of basic switch is optional.
7. Two pole switch design utilizing two spacers, as shown, is optional.

FIGURE 1. Dimensions and configurations - Continued.

MIL-PRF-22885/88C

Requirements:

Dimensions and configuration: See figure 1. the switch modules shall be capable of mating with indicator lights in accordance with MIL-PRF-22885/87 to form the MIL-PRF-22885/87 illuminated push button switch. Basic switch elements shall be permanently fixed to switch bracket or frame.

Enclosure design: 1 (unsealed).

Temperature characteristic: -55°C to +71°

Vibration grade: 2 (10-500 Hz, 10 g peak).

Operation: A (momentary action) and B (alternate action).

Material:

Cam actuator: May be thermoplastic material classified as UL94V-2.

Flexible insulators: May be fabricated from woven glass impregnated with TFE.

Weight: 1.2 ounces maximum.

Operating characteristics:

Operating force: Measurement to be taken at front of lens with switch module assembled to indicator light.

2PDT momentary: 4 pounds maximum.

4PDT momentary: 4 pounds maximum.

2PDT alternate: 6 pounds maximum.

4PDT alternate: 7 pounds maximum.

Dielectric withstanding voltage:

Altitude: 50,000 feet.

Electrical endurance: See table I for electrical ratings.

Qualification inspection: Required as part of the four lamp, high impact shock resistant illuminated switch, MIL-PRF-22885/87.

Part or Identifying Number (PIN): See table II.

MIL-PRF-22885/88C

TABLE I. Electrical ratings.

Load	Sea level		50,000 feet
	28 V dc (amperes)	115 V ac (amperes)	28 V dc (amperes)
Resistive	5.0	5.0	5.0
Inductive	3.0	5.0	2.5
Lamp	2.4	1.5	2.4

TABLE II. Pin and characteristics.

PIN	Circuit	Operation
M22885/88-01	2PDT	Momentary
M22885/88-02	4PDT	Momentary
M22885/88-03	2PDT	Alternate
M22885/88-04	4PDT	Alternate

Custodians:
 Army - CR
 Navy - EC
 Air Force - 11
 DLA - CC

Preparing activity:
 DLA - CC
 (Project 5930-1716-17)